

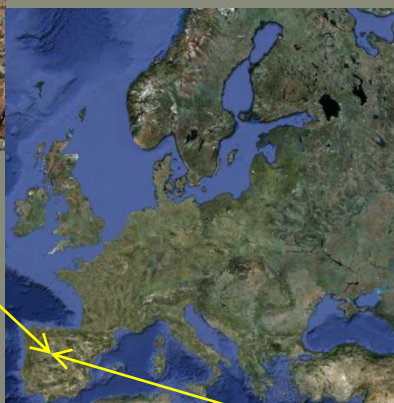
SMART CITIES

Utilities and Environment

VALLADOLID and PALENCIA



Valladolid City



Palencia City



FI-PPP European Information Day
July 8th, 2010
Brussels

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Country: Spain
Region: Castilla y León
Founded :1072

Area:

- Total 197.91 km² (76.4 sq mi)

Elevation 698 m (2,290 ft)

Population (2009)

- Total 317,864

- Density 1,606.1/km² (4,159.8/sq mi)

Time zone CET (UTC+1)

- Summer (DST) CEST (UTC+2)

Climate: Continental

Official language(s) Spanish

Website: www.ava.es

Valladolid & Palencia



Country: Spain
Region: Castilla y León
Founded :1072

Area:

- Total 94.71 km² (36.6 sq mi)

Elevation 749 m (2,457 ft)

Population (2009)

- Total 82,626

- Density 872.4/km² (2,259.5/sq mi)

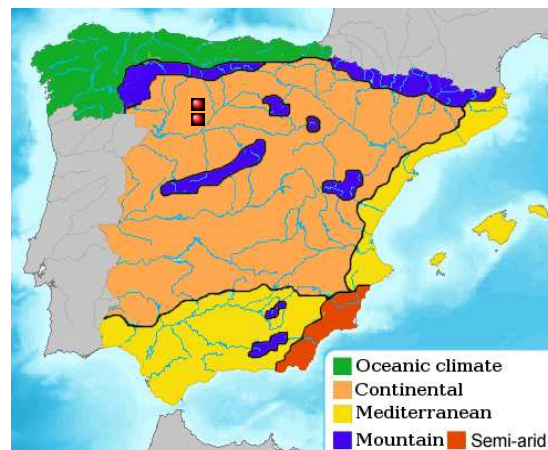
Time zone CET (UTC+1)

- Summer (DST) CEST (UTC+2)

Climate: Continental

Official language(s) Spanish

Website: www.aytopalencia.es



Smart Cities: Utilities and Environment: Valladolid & Palencia

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Actors involved:

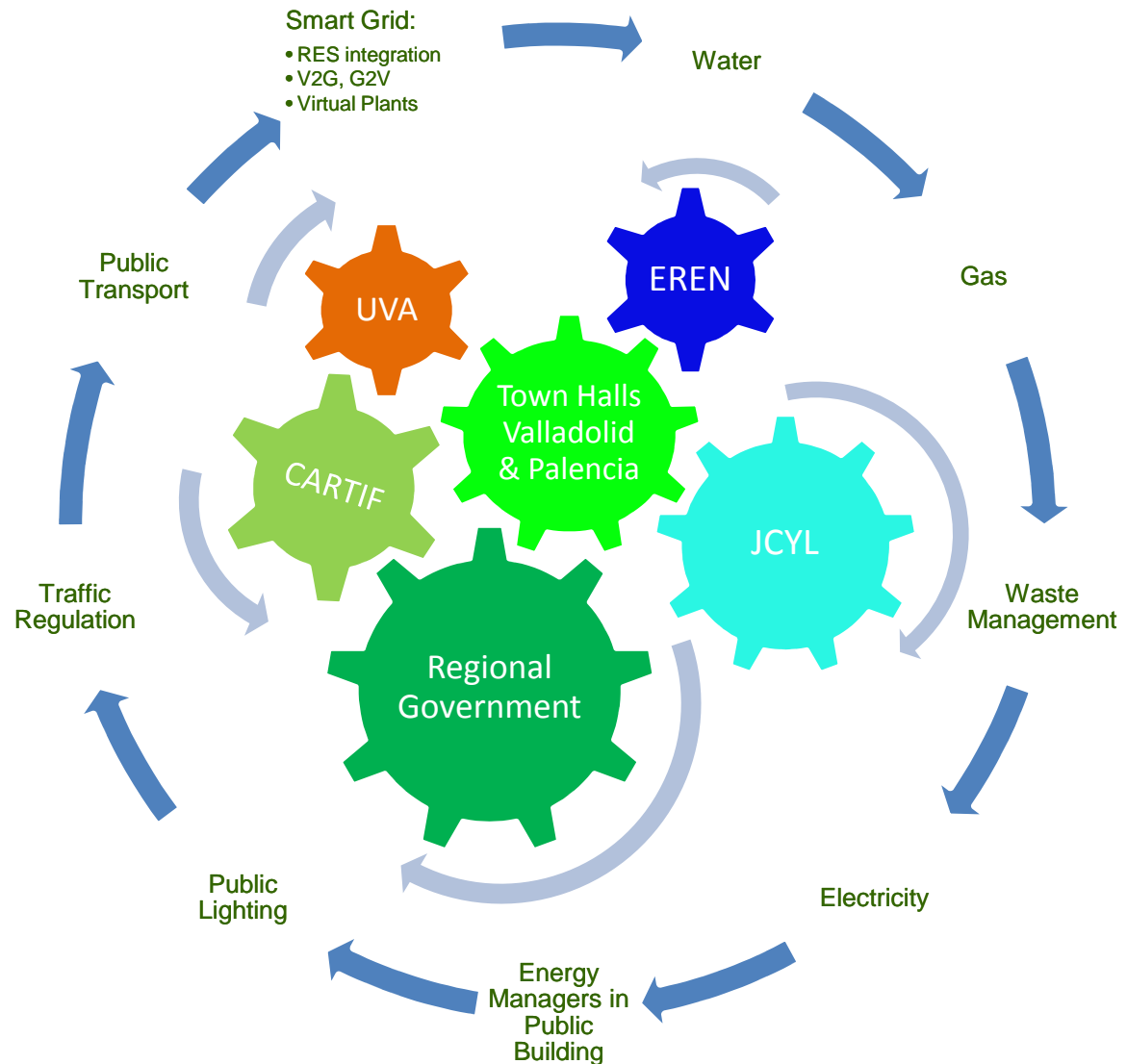
Public Authorities:

- Town Hall of Valladolid
- Town Hall of Palencia
- Regional Government
- Regional Energy Agency

Industrial - Service Providers:

- Water, gas, electricity
- IT services.
- Traffic Regulation
- Public Transport
- Electric Vehicles
- Public Lighting
- Public Building Managers
- Currently developers of ICT platform in the City.
- Health

Citizens



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Experimental environment for broad large scale testing of the platform?

Sustainable Cities for large-scale experimentation with the Future Internet platform

• **Services Platform for Electric Vehicles in cities:**

- Electric Car Parks Management (Virtual Power Plants - Producers)
- Advanced Driver Assistance Systems.
- EV Fleets Management

All actors by means of FI core platform: from service providers to citizens, including public authorities.

Innovative Internet functionality and technologies

- Common enablers: Generic, scalable interfaces; achieving a full interoperability.
- Seamless to any actors
- End to end connectivity (from the sensor networks to the providers will be needed),
- Context awareness.
- Handling huge volume of data.
- Multimodal interface system. Different interfaces and media should be analyzed.
- Broadband connectivity / aggregation points / data gathered.
- Service composition, brokering, execution, indexing, searching and discovery should be provided.

Thanks for your attention

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CARTIF Foundation

<http://www.cartif.es>

